



NIST Update

Arden Bement
Director

Visiting Committee on Advanced Technology

June 4, 2002

Outline

- Update on NIST programs
- Update on NIST budget
- NIST organizational issues

- Next presentation: NIST 2010 Strategic Plan

Communicating with Key Stakeholders

Congressional member visits

- More than 30 visits to key members and staff in House and Senate

Congressional testimony

- World Trade Center
- Federal information security
- *Others*

Department of Commerce

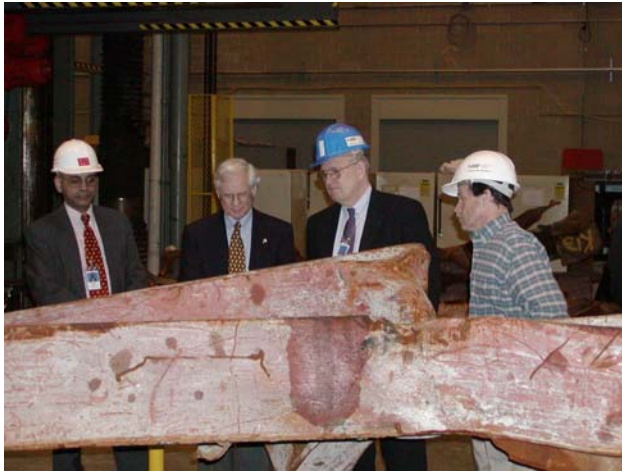
- Weekly Executive Management Team meetings with Secretary Evans and Deputy Secretary Bodman
- Weekly Technology Administration Senior Staff meetings

Key Administration leadership

- OSTP Director Jack Marburger
- President's Special Advisor on Cyber Security Richard Clarke
- *Others*

World Trade Center Investigation Update

- NIST leading broad public-private partnership to determine the technical cause of the WTC collapse and apply lessons learned to improve safety, survivability and emergency response.

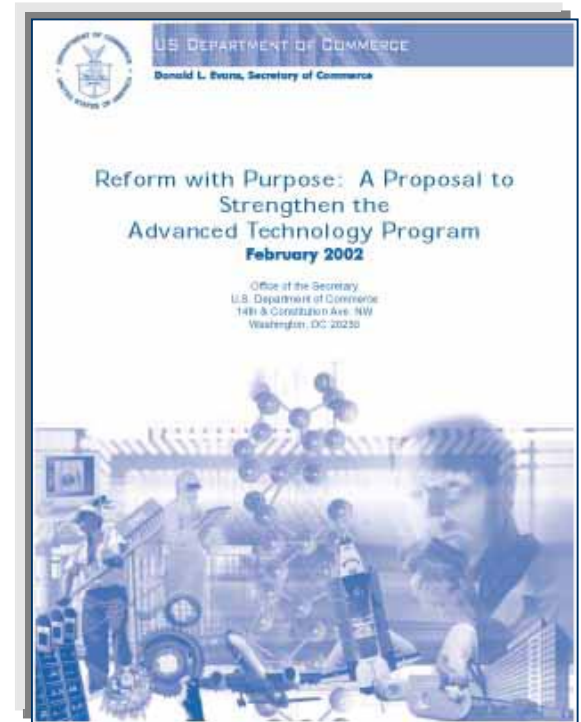


- House Science Committee hearing May 1 releases FEMA/ASCE Building Performance Study and announces NIST follow up plans.
- Meeting June 24 in New York City to receive public comment on NIST investigation plans.
- Initial plans published on NIST website. Detailed plans to be published approximately June 10.
- NIST has received about 70 pieces of WTC steel for analysis.

Advanced Technology Program Update

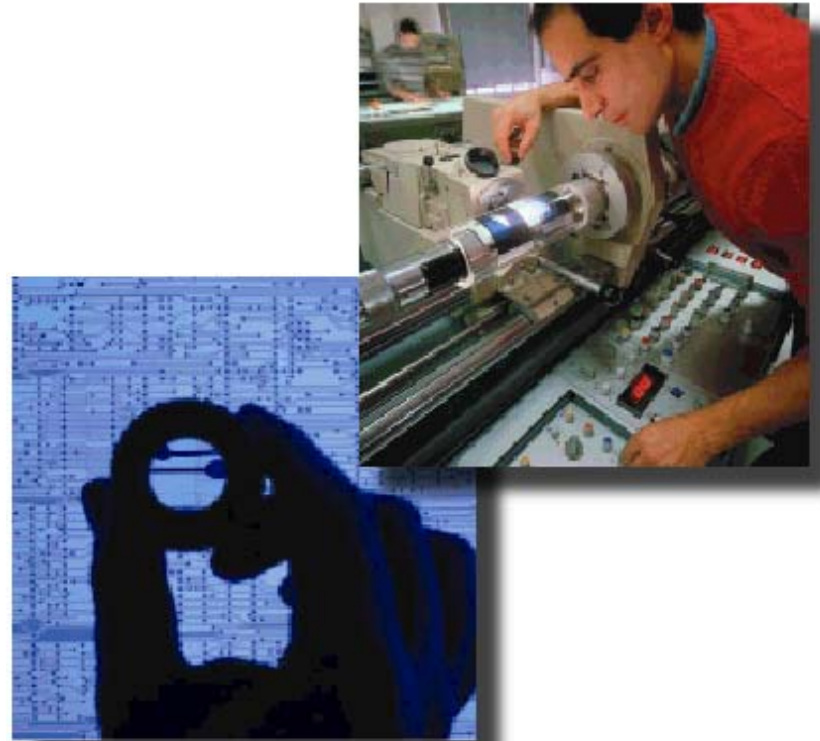
Reforms proposed by Administration:

- **Universities can lead ATP joint ventures.**
 - **Intellectual property rights negotiations.**
 - **Large companies cannot lead projects.**
 - **Recoupment of federal investments (up to 500%).**
 - **ATP funding not for commercialization.**
 - **Study potential improvements in project selection boards.**
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- Widespread support for most reforms except recoupment.
 - FY2002 competition underway. First awards to be announced approximately June 10.



Manufacturing Extension Partnership Program Update

- President's FY2003 budget proposes eliminating federal cost share for Centers more than six years old (all but two of the current Centers).
- Budget request will fund central federal MEP activities and federal share of newer centers.
- Broad bi-partisan Congressional support for MEP and broad support within the manufacturing community.
- Deputy Secretary Bodman very interested in the business case for MEP.



Building the Future



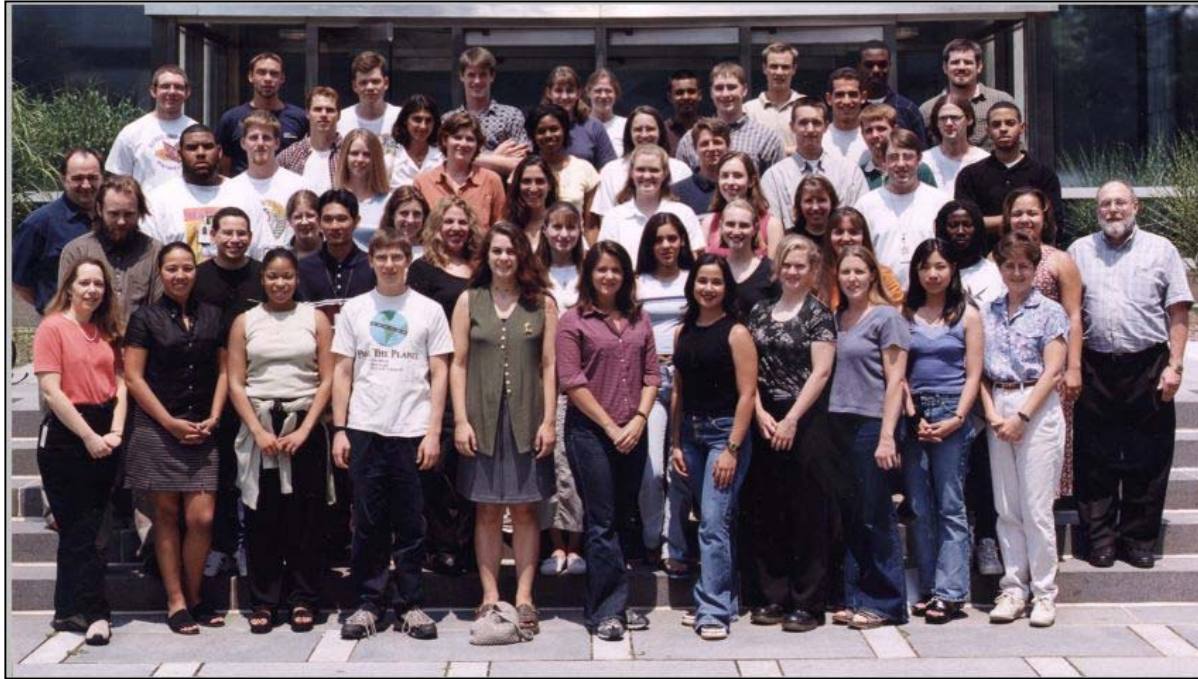
- Take Our Daughters and Sons to Work Day, April 25.
- Science: Get Psyched! (Girl Scouts), April 27.
- Global Science and Technology Week, April 29 – May 3.
- www.nist.gov/public_affairs/edguide.htm

“I am a ten-year-old boy who is home schooled. I have used so much of what I learned in my day at NIST for my studies. I think I might be interested in working at NIST one day, now that I know more about it. Thanks for offering this program. I cannot wait to go again next year!”

Matthew Talbott, participant in Take Our Daughters and Sons to Work Day



Building the Future



2001 SURF students

- SURF: Summer Undergraduate Research Fellowship Program.
 - NIST/NSF/ collaboration.
 - 12 week program of hands-on research, seminars, other learning opportunities.
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- 102 undergraduate students from 60 schools working in all NIST Laboratories this summer.
 - Program begun in 1993. NIST has recently hired former SURF students as PhD research scientists, postdocs, and technical staff.

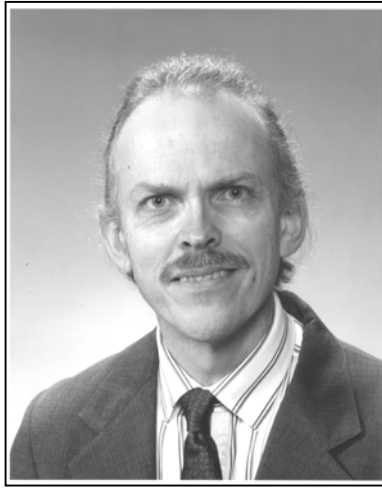
Arthur S. Flemming Awards

Honors employees with 3 to 15 years federal experience for extraordinary contributions to federal service.

NIST staff win 5 of the 12 total awards (across all federal agencies).



John Burnett
Atomic Physics
Division
Physics Laboratory

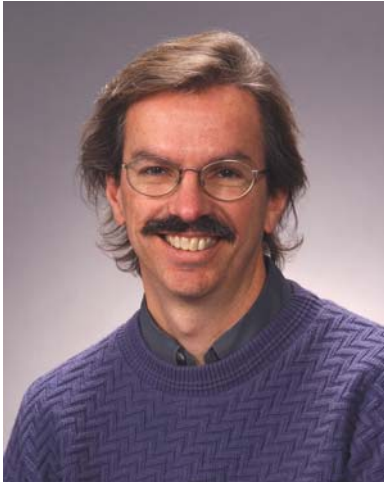


Leonard Hansenn
Optical Technology
Division
Physics Laboratory



Kathy Higgins
Office of Law
Enforcement Standards
Electronics and Electrical
Engineering Laboratory

Arthur S. Flemming Awards

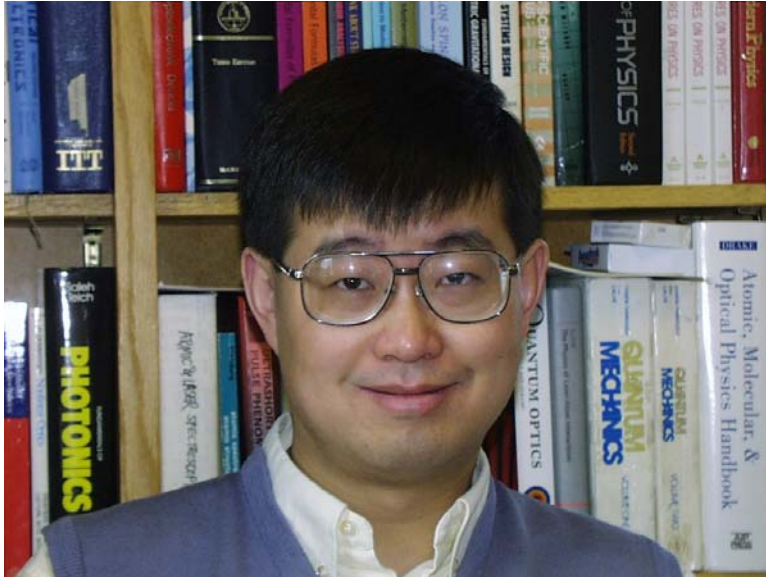


Steve Rolston
Atomic Physics Division
Physics Laboratory



Ray Snouffer
Computer Security Division
Information Technology
Laboratory

Technology Review TR100 Award



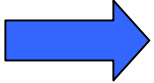
Jun Ye
Fellow of JILA: NIST
Quantum Physics Division
and Assistant Professor of
Physics at Colorado
University.

MIT's "Technology Review TR100" – World's 100 top innovators under 35 years old.

"Jun Ye is a laser Jedi, wielding beams so precise they are destined to become a nanotech force."

Exquisitely phase-locked laser pulses that can be shaped, shortened, and tuned to probe and manipulate individual bonds in complex molecules.

Outline

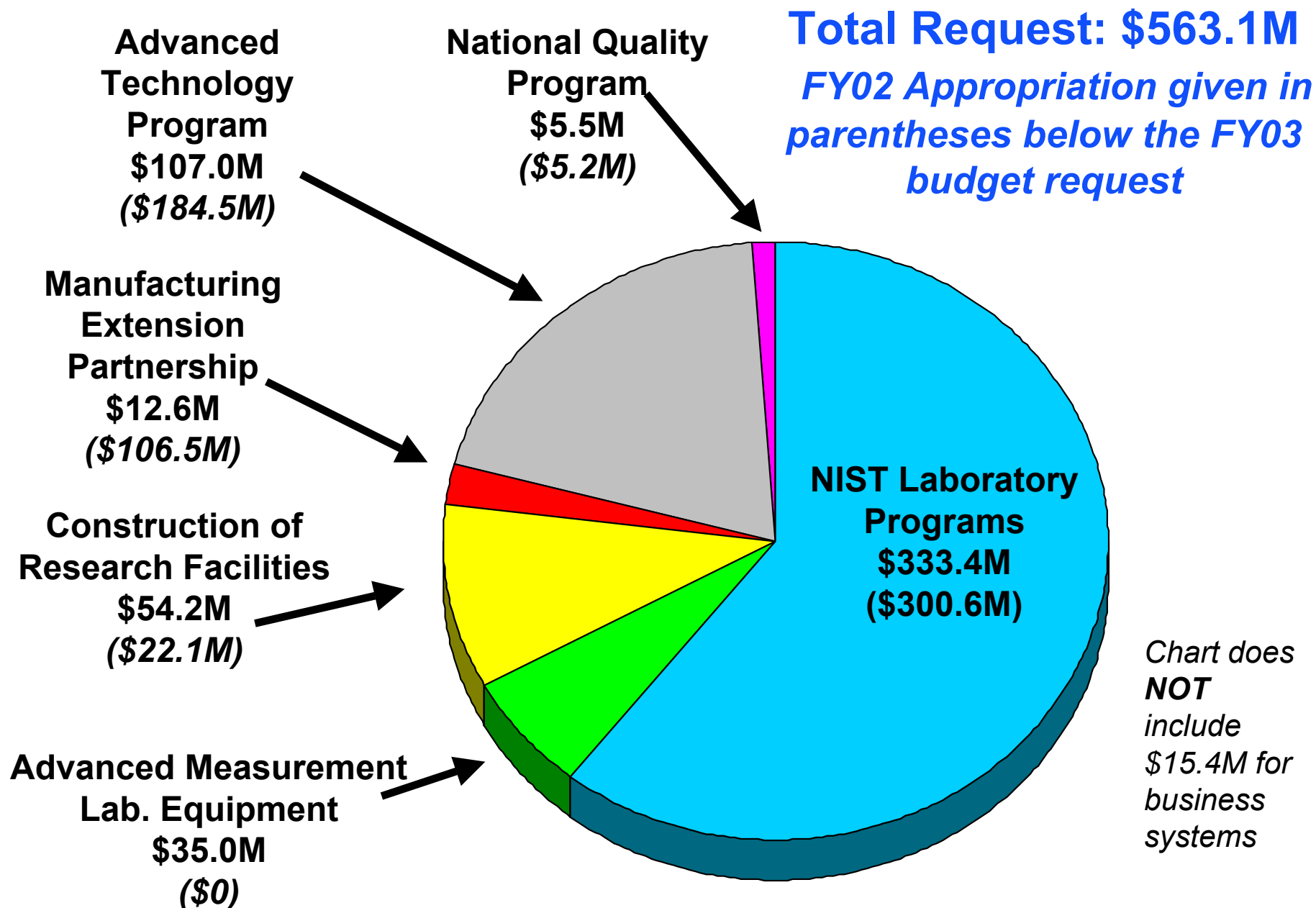
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-  • Update on NIST budget
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Budget Update

FY2002 Emergency Supplemental Funding bills for homeland security

- House version:
 - \$4.0 million for NIST
 - Patriot Act (biometric identification)
 - CBRNE support
 - NIST site security
- Senate version:
 - \$84.6 million for NIST
 - Broad range of cyber security programs (\$40 million)
 - Homeland security R&D and NIST site security
- Conference bill expected in July.


President's FY2003 Budget Request for NIST



Potential Legislative Mandates

- **Federal Information Security Management Act (FISMA, HR 3844)**
 - \$20M/year for NIST to strengthen IT security standards and guidelines for federal agencies.
 - \$1.25M/year for NIST to host Information Security Advisory Board to advise Administration on federal IT security issues.
- **Cyber Security Research and Development Act (HR 3394, S 2182)**
 - \$25M/year for NIST for extramural IT security R&D and education grants program.
 - \$6M/year for internal NIST IT security R&D.
- **Help America Vote Act (HR 3295)**
 - \$30M/year for NIST for extramural Voting Research Grants.
 - \$10M/year for NIST to develop voting technology standards and tests.
- **Securing America's Future Energy Act (S 517, HR 4)**
 - \$10M/year for NIST for support of global climate change R&D and standards for electric power systems, building performance, etc.
- **National Construction Safety Team Act (HR 4687)**
 - \$25M/year for NIST to form/lead National Construction Safety Teams to investigate building disasters.
- **Possible Presidential initiative on security of electric power system**
 - Strengthen national power grid against physical or cyber attack and prevent system from being used as a pulsed power weapon.

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NIST Senior Management Board

- Highest decision-making body at NIST.
- NIST Director and Deputy Director, OU Directors, Program Office Director, NIST Counsel, CIO.
- Charter developed at management offsite.
- Emphasize participative, collaborative, open approach to decision-making.
- Work toward a more effective and efficient organization, improved communications, broader participation in decision-making across NIST.

Councils of the Senior Management Board

- Board commissions several Councils.
 - Study key NIST-wide issues.
 - Make recommendations to the Board.
 - Board makes final decisions.
- Council charters and agendas approved by Board.
- Councils chaired by Board member.
- Council membership about 8 to 10, representing ranges of positions and interests.
- Councils broadly involve NIST staff as resource persons for specific assignments.

Councils of the Senior Management Board

- **Councils**

- Business
- Customer and Stakeholder Relations
- IT Policy
- People
- Safety
- Strategy
- Others may be commissioned as needed

- **Some priorities of the Board and Councils**

- Performance management system
- NIST overhead policy and procedures
- CIO/IT services plan
- Diversity policy
- NIST safety plan
- Strategic planning
- Coordinated outreach to NIST customers and stakeholders

Safety at NIST

- Safety Council established and active.
- Aggressive long-term goal of zero lost-time accidents.
- Safety Key Message promoted among NIST staff at Director's Town Meetings in Gaithersburg and Boulder, through email to all staff, and posted on internal website.
- Deb Grubbe to present safety overview to all NIST staff June 21.
- DuPont Executive Leadership Workshop on safety being scheduled for June.

Safety Council

Mission/Purpose

To provide the NIST Senior Management Board (SMB) with information, advice and policy options to ensure NIST preeminence in safety for employees, visitors, partners, associates and the community.

Initial Agenda

The overall goal is to develop a NIST-wide safety plan

- Promote safety awareness for all staff (Facilitate Dupont Safety training for senior leadership)
- Define safety training and awareness program, including how it might be done, whom it would target, and how much training is required
- Define performance measures and metrics, including management and staff accountability
- Develop and implement opportunities for awards and recognition.
- Develop process for reviewing safety-related budget proposals.
- Establish a benchmarking program

NIST Key Messages -- Safety

The safety of everyone who works at or visits NIST is a top priority. To make the NIST workplace as safe as possible we will:

- Set a goal for NIST of zero lost-time accidents and monitor progress.
- Continually communicate and emphasize the importance of safety.
- Hold ourselves and each other (all NIST staff and management) accountable for ensuring a safe workplace.
- Promptly correct unsafe conditions where possible, or immediately call NIST's safety action hotline to report unsafe conditions: extension 6928 in Gaithersburg or extension 3191 in Boulder. (For emergencies call extension 2222 in Gaithersburg or extension 7777 in Boulder.)

http://www-i.nist.gov/director/mgt_mtgs/safety_message.htm